**Name: Maryam Rashid**

**Class: BSCS 7-A**

**Advance Programming**

**Lab 2**

**Code:**

<html>

<head>

<title>My calculator</title>

<style>

table{

width:20%;

height:40%;

}

td{

width:20%;

background: #E8E4E4;

}

th{

height: 20%;

background: white;

}

td:hover{

background: white;

}

</style>

</head>

<body>

<center>

<br>

<br>

<table border=1>

<tr> <th id="answer" colspan="5"> </th></tr>

<tr>

<td id="MC" onclick=clearnumber()>MC</td>

<td id="zero" onclick= myfunction("zero")>0</td>

<td id="one" onclick= myfunction("one")>1</td>

<td id="two" onclick= myfunction("two")>2</td>

<td id="plus" onclick= myfunction("plus")>+</td>

</tr>

<tr>

<td id="MS" onclick= storeNumber()>MS</td>

<td id="three" onclick= myfunction("three")>3</td>

<td id="four" onclick= myfunction("four")>4</td>

<td id="five" onclick= myfunction("five")>5</td>

<td id="minus" onclick= myfunction("minus")>-</td>

</tr>

<tr>

<td id="MR" onclick= readnumber()>MR</td>

<td id="six" onclick= myfunction("six")>6</td>

<td id="seven" onclick= myfunction("seven")>7</td>

<td id="eight" onclick= myfunction("eight")>8</td>

<td id="mul" onclick= myfunction("mul")>\*</td>

</tr>

<tr>

<td id="M+" onclick=mplus()>M+</td>

<td id="nine" onclick= myfunction("nine")>9</td>

<td id="plusminus" onclick = negate()>+-</td>

<td id="equals" onclick= finalanswer()>=</td>

<td id="divide" onclick= myfunction("divide")>/</td>

</tr>

<tr>

<td id="oneby" onclick= reciprocal()>1/x</td>

<td id="point" onclick= myfunction("point")>.</td>

<td id="square" onclick= Square()>x2</td>

<td id="sqr" onclick= squareroot()>sqr root</td>

<td id="clear" onclick = clearanswer()>C</td>

</tr>

</table>

<center>

<script>

ans= document.getElementById("answer");

function myfunction(num){

number= document.getElementById(num);

numberr=number.innerHTML;

ans.innerHTML+=numberr;

}

function finalanswer(){

let value1 = eval(ans.innerHTML);

ans.innerHTML = value1;

}

function clearanswer(){

ans.innerHTML="";

}

function negate(){

ans.innerHTML= ans.innerHTML \* -1;

}

function reciprocal(){

x = parseInt(ans.innerHTML);

ans.innerHTML = 1/x;

}

function Square(){

x = parseInt(ans.innerHTML);

ans.innerHTML = Math.pow(x,2);

}

function squareroot(){

x = parseInt(ans.innerHTML);

ans.innerHTML = Math.sqrt(x);

}

var num;

function storeNumber(){

num = parseInt(ans.innerHTML);

}

function readnumber(){

ans.innerHTML = num;

}

function clearnumber(){

num = 0;

}

function mplus(){

x = parseInt(ans.innerHTML);

num = num+ x;

ans.innerHTML =num;

}

</script>

</body>

</html>

Screenshot:

